

REMARKS

Amendments

Claim 1 is amended to recite that the semiconductor or charge transport material comprises least one oligomer or polymer of formula I. Consistent with this amendment, claim 1 is also amended to recite that n is > 1 , rather than ≥ 1 . See, e.g., page 7, line 31 and page 13, line 25. Similar amendments are made to claim 13. Claim 1 is also amended to correct the enumeration of the proviso clauses.

Claims 2-4 are amended to be consistent with the language of claim 1. Claim 4 is also amended to be dependent on claim 3 and to delete superfluous language. Claim 6 is amended to recite that n is 2 to 5000. See, e.g., page 13, line 25.

Claim 42 and withdrawn claims 14-16 are cancelled. Claim 13 is amended to delete "or Ar" from the first proviso clause. Claim 24 is amended to correct a typographical error, and claim 40 is amended to insert the definitions of R^1 - R^4 .

New claim 43 corresponds to prior claim 3 rewritten in independent form, except that n is defined as 1 rather than ≥ 1 or > 1 . New claim 44 is the same as claim 4, except that it depends from new claim 43. These new claims thus relate to subject matter already included in the examination.

These amendments clearly place the application in condition for allowance. Entry of the above amendments is respectfully requested.

Withdrawn Claims

Applicants gratefully acknowledge that claim 13 is no longer withdrawn from consideration. Applicants, however, respectfully request reconsideration of claims 18, 20-23, 27, 28, and 36 being withdrawn from consideration. Claims 18, 20-23, 27, and 36 depend directly from claim 13. Claim 28 depends directly from claim 27, which in turn depends directly from claim 13. Applicants respectfully submit that claims 18, 20-23, 27, 28, and 36 should be under consideration for the same reasons that claim 13 is under consideration.

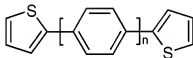
Rejection under 35 USC §112, second paragraph

Claims 13 and 40 are rejected as allegedly being indefinite. As noted above, claim 13 is amended to delete “or Ar” from the first proviso clause, and claim 40 is amended to insert the definitions of R¹ - R⁴. Withdrawal of the rejection is respectfully requested.

Rejection under 35 USC §102(b) and 35 USC §103(a) in view of Lee et al.

Claims 1-7, 10, 11, 24, 26, 33, 34 and 40-41 are rejected as allegedly being anticipated in view of the article by Lee et al. (J. Phys. Chem. A 2000, 104, 1827-1833). In addition, claim 25 is rejected as allegedly being obvious in view of the article by Lee et al. These rejections are respectively traversed.

Lee et al. describe an investigation into spectroscopic characteristics of compounds exhibiting thiophene and phenylene ring groups. The compounds investigated are shown at the top of page 1828. In particular, the rejection refers to the compound of formula



TnP (n = 1-2)

This formula encompasses two monomeric compounds, one of which is designated T2P in Table 1 at page 1829. These two compounds do not suggest the oligomeric and polymeric compounds recited in applicants' claim 1. Nor does Lee et al. suggest the use of compounds recited in applicants' claim 1 as semiconductor or charge transport material within a transistor device, such as a thin film transistor or a thin film transistor array for flat panel displays.

In view of the above remarks, it is respectfully submitted that Lee et al. fails to anticipate or render obvious applicants' claimed invention. Withdrawal of the rejections under 35 USC

102(b) and 103(a) is respectfully requested.

Rejection under 35 USC §103(a) in view of Ng et al.

Claim 42 is rejected as allegedly being obvious in view of the Ng et al. (CAPLUS 2000:634223), Macromolecules 2000, 33, 7349-7358. This rejection is respectively traversed.

This rejection is rendered moot by the cancellation of claim 42.

Rejection under 35 USC §103(a) in view of Ruiz et al.

Claim 42 is rejected as allegedly being obvious in view of the Ruiz et al. (CAPLUS 1992:42166), Macromolecules 1992, 25, 849-860. This rejection is respectively traversed.

This rejection is rendered moot by the cancellation of claim 42.

The Commissioner is hereby authorized to charge any fees associated with this response or credit any overpayment to Deposit Account No. 13-3402.

Respectfully submitted,

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